COURSE OUTLINE

(1) GENERAL

SCHOOL	ENGINEERING
ACADEMIC UNIT	Department of Electrical and Electronics Engineering
LEVEL OF STUDIES	Graduate (MSc)
COURSE CODE	C.02 SEMESTER 03
COURSE TITLE	Publication of Research Results

INDEPENDENT TEACHING ACTIVITIES *if credits are awarded for separate components of the course, e.g. lectures, laboratory exercises, etc. If the credits are awarded for the whole of the course, give the weekly teaching hours and the total credits*	WEEKLY TEACHING HOURS	CREDITS
Publication of Research Results	N/A	N/A
Add rows if necessary. The organisation of teaching and the teaching methods used are described in detail at (d).		

COURSE TYPE *general background, special background, specialised general knowledge, skills development*	Skills development
PREREQUISITE COURSES:	(-)
LANGUAGE OF INSTRUCTION and EXAMINATIONS:	Greek and English
IS THE COURSE OFFERED TO ERASMUS STUDENTS	YES
COURSE WEBSITE (URL)	

(2) LEARNING OUTCOMES

Learning outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate level, which the students will acquire with the successful completion of the course are described.

Consult Appendix A

- *Description of the level of learning outcomes for each qualifications cycle, according to the Qualifications Framework of the European Higher Education Area*
- *Descriptors for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and Appendix B*
- *Guidelines for writing Learning Outcomes*

Course module C.02 "Publication of Research Results" is an obligation for graduation rather than a regular course module. This is why it does not contribute any ECTS units or grades to the student record.
The outcome is a binary YES/NO that masks the final grade calculated from all the rest of the modules that carry ECTS units.

General Competences

Taking into consideration the general competences that the degree-holder must acquire (as these appear in the Diploma Supplement and appear below), at which of the following does the course aim?

Search for, analysis and synthesis of data and information, with the use of the necessary technology
Adapting to new situations
Decision-making
Working independently
Team work
Working in an international environment
Working in an interdisciplinary environment
Production of new research ideas

Project planning and management
Respect for difference and multiculturalism
Respect for the natural environment
Showing social, professional and ethical responsibility and sensitivity to gender issues
Criticism and self-criticism
Production of free, creative and inductive thinking
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Others...

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Adapting to new situations
- Working independently
- Decision-making
- Project planning and management
- Production of free, creative and inductive thinking

(3) SYLLABUS

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As stated in the MSc Program Study Regulation, research work towards the MSc thesis starts from day one, proceeds along all 3 academic semesters of the program and is culminated by the (required) publication of the results in relevant, internationally renowned journals or conference proceedings, as deemed suitable by the supervisor.

Students are expected to carry out innovative research, i.e., research that generates or employs new information/data (scientific measurements, publications or other material) or develops a novel approach or solution as compared to existing / conventional ones. This research is expected to produce a publication of its results. The requirement for at least one publication before graduation is set to support the general aim of the MSc program that is the development of advanced skills in research, in expression/communication, in the formulation of scientific hypotheses and in the interpretation and presentation of research results.

The publication must be co-authored by the student and his/her supervisor at least – and possibly by other researchers that contributed to this research, as decided by the supervisor. Acceptable publications are those in international refereed scientific journals or international refereed scientific conferences with proceedings and review in the full text of the paper. Publication sources must be accessible and renowned (indexed in Web of Science, Scopus, PubMed). For the student to meet this requirement, either a copy of the publication or a copy of the submitted manuscript along with the letter of acceptance, must be filed with the Secretariat by the supervisor.

(4) TEACHING and LEARNING METHODS - EVALUATION

DELIVERY *Face-to-face, Distance learning, etc.*	Distance Learning (Synchronous, MS Teams)	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY *Use of ICT in teaching, laboratory education, communication with students*	- MS Teams for student progress monitoring (weekly) - E-class for course content support and teacher-student communication - Pertinent mathematical / modelling / simulation software and tools (e.g., Matlab, Mathematica, SPSS, etc.) depending on the specific research topic undertaken.	
TEACHING METHODS *The manner and methods of teaching are described in detail.* *Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, placements, clinical practice, art workshop, interactive teaching, educational*	*Activity*	*Semester workload*

visits, project, essay writing, artistic creativity, etc. *The student's study hours for each learning activity are given as well as the hours of non-directed study according to the principles of the ECTS*	**Course total**	**(-)**
STUDENT PERFORMANCE EVALUATION *Description of the evaluation procedure* *Language of evaluation, methods of evaluation, summative or conclusive, multiple choice questionnaires, short-answer questions, open-ended questions, problem solving, written work, essay/report, oral examination, public presentation, laboratory work, clinical examination of patient, art interpretation, other* *Specifically-defined evaluation criteria are given, and if and where they are accessible to students.*	Binary (YES/NO), submitted to the MSc Secretariat by the supervisor along with a copy of the publication or the acceptance letter.	

(5) ATTACHED BIBLIOGRAPHY

- Suggested bibliography:

- As designated by the supervisor, according to the specific research topic undertaken.

Related Scientific Journals:

- As designated by the supervisor, according to the specific research topic undertaken.

TOOLS

- As assigned by the supervisor, according to the specific research topic undertaken.
- Matlab: https://www.mathworks.com/products/matlab.html
- Mathematica: https://www.wolfram.com/
- Wolfram Alpha: https://www.wolframalpha.com/
- Python: https://www.python.org/
- scipy: https://scipy.org/
- Julia: https://julialang.org/
- R: https://www.r-project.org/

WEBSITES

- As assigned by the supervisor, according to the specific research topic undertaken.